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k		AA1	 	3,640	06/16/1987	Backman, K.C.	435	5	68	04/30/1984
1		AB1	4,74	3,546	05/10/1998	Backman et al.	435	5	108	02/13/1985
		AC1	4,95	9,317	09/25/1990	Sauer B.L.	435	5	172.3	04/29/1987
1		AD1	5,22	7,288	07/13/1993	Blattner, F.R.	435	5	6	10/01/1990
		AE1	5,35	4,668	10/11/1994	Auerbach, J.I.	435	5	91.1	10/15/1993
		AF1	5,43	14,066	07/18/1995	Bebee, R.L., et al.	435	5	172.3	03/15/1994
		AG1	5,47	0,727	11/28/1995	Mascarenhas et al.	435	5	172.3	12/21/1993
		AH1		1,609	01/07/1997	Auerbach, J.I.	435	5	91.2	02/03/1995
		AI1	1 	4,389	03/25/1997	Auerbach, J.I.	435		91.2	09/26/1995
				Hooykaas et al.	435		172.3	01/20/1995		
AX1						Odell et al.	435		172.3	07/27/1994
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	2_	AL1	EP C) 160 571 A2	2 11/06/1985	Europe		<u> </u>	1	Yes No
		AM1	EP C	300 422	01/25/1989	Europe				Yes No
		AN1	WO 9	01/02801	03/07/1991	WIPO				Yes No
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ا	_	AP1	WO 9	2/20791	11/26/1992	WIPO		1	سلر	Yes No
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		AS	<u>1</u>	Purificati 259:1509-1	on and Proper	, R., "Bacteriophage Pl Si ties of the Cre Recombinas Society for Biochemistry	se Pro	tein,"	$^{\prime}$ J. Biol.	Chem.
	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," J. Biol. Chem. 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1986).									otein," J.
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In	AA2	5,6	77,170	10/14/1997	Devine et al.	435	20.1	03/02/1994		
	AB2	5,6	77,177	10/14/1997	Wahl et al.	435	325	06/07/1995		
	AC2	5,7	10,248	01/20/1998	Grose, C.F.	530	327	07/29/1996		
	AD2 .	5,7	23,765	03/03/1998	Oliver et al.	800	208	06/07/1995		
	AE2	5,7	33,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996		
	AF2	5,7	33,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996		
	AG2	5,7	14,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996		
	AH2	5,7	66,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994		
	AI2	5,7	76,449	07/07/1998	Baum et al.	424	93.2	09/20/1996		
	AJ2	T T	30,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995		
	AK2		37,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996		
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	AN2	CA	2,141,412	02/17/1994	Canada			Ye		
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1	AP2	WO	95/00555	01/05/1995	WIPO			Y (
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	AT	2	Andrews, Interacti MA (1985)	on with Its T	"The FLP Recombinase arget Sequences," Cel	of the 2µ C 1 <i>40</i> :795-803	ircle DNA o , Cell Pres	f Yeast: s, Cambridge,		
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111	AA3	+	43,772	12/01/1998	1	Devine, S.E., et al.	435		69.1		11/18/1994
	AB3	1	51,808	12/22/1998	E	Clledge et al.	435		172.3		02/28/1997
	AC3	5,8	58,657	01/12/1999	W	linter et al.	435		6		06/07/1995
	AD3	5,8	71,907	02/16/1999	W	linter <i>et al.</i>	435		6		03/31/1994
i	AE3	5,8	74,259	02/23/1999	s	Szybalski, W.	435		91.1		11/21/1997
	AF3	1	88,732	03/30/1999	1	Hartley et al.	435		6		06/07/1996
	AG3	1	16,804	06/29/1999	E	Bushman, F.D.	435		325		04/17/1998
	АНЗ	5,9	19,676	07/06/1999	G	Graham et al.	435		172.3	3	06/07/1995
	AI3	† <u> </u>	28,914	07/27/1999	I	eboulch <i>et al</i> .	435		172.3	3	11/05/1996
AJ3 5,989,872 11/22/1999				I	uo et al.	435		91.2		08/12/1997	
1	АК3	6,0	10,884	01/04/2000	G	Griffiths <i>et al</i> .	435		69.7		05/29/1996
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	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology, Washington, D.C. (1995).										
	AT 3 Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," J. Mol. Biol. 225:25-37, Academic Press, Inc., New York, NY (1992).									asmid pSR1,"	
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1	AB4	6,06	3,627	06/16/2000	М	cVey et al.	43	5	440		02/25/1998
	AC4	5,34	8,886	09/20/1994	L	ee et al.	43	5	320.	1	09/04/1992
	AD4	6,17	1,861	01/09/2001	Н	artley et al.	43	5	455		01/12/1998
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	АТ	<u>5</u>	Chem. 260	D. et al., "' :12313-12391, timore, MD (1	The FLP Protein American Socie 985).	of the 2-mic ty for Bioche	eron Plasm emistry ar	nid of Yea nd Molecul	st," <i>J. Biol</i> . ar Biology,
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M	/	AR	<u>9</u>	Bochner, E J. Bacter: (1980).	3. R., et al., iol. 143:926-9	"Positive Selection for Lo	oss of Tet	racycline y, Washing	Resistance," pton, D.C.			
		AS	<u>9</u>	and other	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res. 21(4)</i> :817-821, Oxford University Press, Oxford, England (1993).							
	-	АТ	<u>9</u>	Broach, J.	. R., et al., ' Cell 29:227-	"Recombination within the '	Yeast Plas , MA (1982	mid 2µ Cir	ccle is Site-			
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	AS	<u>10</u>	cre/lox-M	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16(6):1061-1064, Eaton Publishing Company, Natick, MA (June 1994).					
	AT	<u>10</u>	Bubeck, P Acids Res	Bubeck, P., et al., "Rapid cloning by homologous recombination in vivo," Nucl. Acids Res. 21:3601-3602, Oxford University Press, Oxford, England (1993).					
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M	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," J. Bacteriol. 174(23):7495-7499, American Society for Microbiology, Washington, D. (1992).							s," <i>J</i> . hington, D.C.	
	AS	12	MAP4: a r	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," Biochem. 34:2289-2301, American Chemical Society, Washington D.C. (1995).					
	AT	12	and P1 ar	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products o Cre-catalyzed recombination between the endogenous and a transposed <i>loxP</i> site," <i>Nucl. Acids Res. 25</i> :2205-2212, Oxford University Press, Oxford, England (1997).					
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	AS	<u>13</u>	Recombinat	Craig, N.L. and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," <i>Cell 35</i> :795- 303, Cell Press, Cambridge, MA (1983).					
	AT	<u>13</u>	in plant o	Dale, E.C. and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene 91</i> :79-85, Elsevier/North-Holland, Netherlands (1990).					
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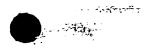
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	AS	14	Generate	Dang, D.T. and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Develop. Genetics 13</i> :367-375, Wiley-Liss, Inc., New York, NY (1992).					
	AT	14	applicati		intermolecular recombinati constructions," <i>Gene 170</i> :				
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MK	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets in vitro: a useful tool for DNA mapping, sequencing and genetic analysis," Nucl. Acids Res. 22(18):3765-3772, Oxford University Press, Oxford, England (September 1994).								
	AS	<u>15</u>	Site att.	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site attB of the Escherichia coli Chromosome," Plasmid 28:14-24, Academic Press, New York, NY (1992)					
	АT	<u>15</u>	Dymecki, S. M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene 171</i> :197-201, Elsevier/North-Holland, Netherlands (June 1996).						
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		AS	<u>16</u>	Receptor I	Feil, R., et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm. 237</i> :752-757, Academic Press, Inc., New York, NY (1997).				
+		Ferguson, J., et al., "Construction and characterization of three yeast- Escherichia coli shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," Gene 16:191-197, Elsevier/North-Holland, Netherlands (1981).							

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EXAMINER: Initial if reference PHIMARY EXAMINER ther or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," Proc. Natl. Acad. Sci. USA 89:7905-7909, National Academy of Sciences of the USA, Washington, D.C. (1992).						malian	
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	AS	<u>20</u>	inversion	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the $p_{\rm tac}$ promoter," Gene 56:145-151, Elsevier/North-Holland, Netherlands (1987).					
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Hoess, R.H., et al., "P1 site-specific recombination: Nucleotide sequence of the recombining sites," Proc. Natl. Acad. Sci. USA 79:3398-3402, National Academy of Sciences of the USA, Washington, D.C. (1982).

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/		AS	<u>22</u>	site-speci	Hoess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene 40</i> :325-329, Elsevier/North-Holland, Netherlands (1985).				
		АТ	<u>22</u>	recombinat		The role of the loxP spacer cids Res. 14(5):2287-2300,			
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ø		АТ	23	Holt, C.L. automatic Netherland	subcloning ca	S., "A novel phage A replace pabilities," <i>Gene 133</i> :95-97	cement Cre	-lox vector/North-Ho	or that has	
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	АТ	Kozak, M., "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society For Microbiology, Washington, D.C. (1983).						otes, cy For
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	AS	<u>26</u>	of transla	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem 266</i> :19867-19870, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1991).					
	AT	<u>26</u>	Kühn, R., Associatio	Kühn, R., et al., "Inducible Gene Targeting in Mice," Science 269:1427-1429, Association for the Advancement of Science, Washington D.C. (September 1995).					
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	Lakso, M., et al., "Targeted oncogene activation by site-specific recombination in transgenic mice," Proc. Natl. Acad. Sci. USA 89:6232-6236, National Academy of Sciences of the USA, Washington, D.C. (1992).							combination al Academy of
	Lander, E.S., "The New Genomics: Global Views of Biology, "Science 274:536-539, Association for the Advancement of Science, Washington D.C. (October 1996).						4:536-539, 1996).	
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	AS	<u>28</u>	recombinat	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Op. Genet. Develop. 3</i> :699-707, Current Biology Ltd., London, England (1993).				
	АТ	<u>28</u>	Recombinas	ebreton, B., et al., "Mutations That Improve the Binding of Yeast FLP ecombinase to Its Substrate," <i>Genetics 118</i> :393-400, Genetics Society of America, altimore, MD (1988).				

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		AS	29	substituti	Leong, J.M., et al., "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA 82</i> :6990-6994, National Academy of Sciences of the USA, Washington, D.C. (1985).				
		AT	<u>29</u>	Liu, Q., et al., "The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes," Curr. Biol. 8:1300-1309, Current Biology Ltd., London, England (1998).					
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	AS	Luckow, V. A., et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in Escherichia coli," J. Virol. 67(8):4566-4579, American Society for Microbiology, Washington, D.C. (1993).						
	Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyze site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet. 230</i> :170-176, Springer-Verlag, New York, NY (1991).					alyze site- 0-176,		
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	AS	31	Mahillon, J., et al., "IS231 and other Bacillus thuringiensis transposable elements: a review," Genetica 93:13-26, Dordrecht Kluwer Academic Publishers (November 1994).						osable blishers	
	AT	31	pathway	leading to in	itia	combe, R., "Prokaryoti ation," <i>Trends Genet</i> . ge, England (November	10:402-	lation 407,	the int	eractive Science
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fy.	Medberry, S.L., et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," Nucl. Acids Res. 23:485-490, Oxford University Press, Oxford, England (1995).						by Cre- <i>lox</i> iversity			
V		AS	<u>32</u>	Miki, T. et al., "Control of Segregation of Chromosomal DNA by Sex Factor F in Escherichia coli. Mutants of DNA Gyrase Subunit A Suppress letD (ccdB) Product Growth Inhibition," J. Mol. Biol. 225:39-52, Academic Press, Inc., New York, N (1992).						B) Product
	Mizuuchi, K., and Mizuuchi, M., "Integrative Recombination of Bacteriophage λ: In Vitro Study of the Intermolecular Reaction," Cold Spring Harb. Symp. Quant. Biol. 43:1111-1114, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (1979).						mp. Quant.			
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M	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Mizuuchi, M. and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," Nucl. Acids Res. 13:1193-1208, Oxford University Press, Oxford, England (1985).							
	AS	33	of vectors	Mozo, T. and Hooykaas, P. J. J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet</i> 236:1-7, Springer-Verlag, New York, NY (1992).				
	Mullins, L.J., et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," Nucl. Acids Res. 25(12):2539-2540, Oxford University Press, Oxford, England (1997).							
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	AS	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA In Vitro," Proc. Natl. Acad. Sci. USA 72:1072-1076, National Academy of Sciences of the USA, Washington, D.C. (1975).						
	AT	Nash, H.A., and Robertson, C.A., "Purification and properties of the Escherichia coli protein factor required for lambda integrative recombination," J. Biol. Chem. 256:9246-9253, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1981).						
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	Nash, H. and C.A. Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533, IRL Press Limited, Oxford, England (1989).							
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,	AS	<u>36</u>	base chang recombinat	Numrych, T. E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res. 18</i> :3953-3959, Oxford University Press, Oxford, England (1990).					
	Numrych, T.E., et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis—integrase cooperativity but not for DNA binding," EMBO J. 11(10):3797-3806, IRL Press Limited, Oxford, England (1992).							vity but not	
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MI	Nunes-Düby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in \(\lambda \) Excisive Recombination," Cell 59:197-206, Cell Press, Cambridge, MA (1989).									
	AS	<u>37</u>	family of	Nunes-Düby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl. Acids Res. 26</i> :391-406, Oxford University Press, Oxford, England (1998).						
	АТ	<u>37</u>	lambdoid o	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of oth lambdoid chromosomes," <i>Nucl. Acids Res. 22(3)</i> :354-356, Oxford University Press, Oxford, England (February 1994).						
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		AS	<u>38</u>	mice," Pro	rban, P. C., et al., "Tissue- and site-specific DNA recombination in transgenic ice," <i>Proc. Natl. Acad. Sci. USA 89</i> :6861-6865, National Academy of Sciences of he USA, Washington, D.C. (1992).					
)	Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," Plant J. 7:687-701, Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology, Oxford, England (1995).						1, Oxford			
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	AS	<u>39</u>	hybridizat	Palazzolo, M. J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene 88</i> :25-36, Elsevier/North-Holland, Netherlands (1990).				
	AT	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," J. Biol. Chem. 268(5):3683-3689, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1993).						American
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Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," J. Virol. AR <u>40</u> 71(4):3293-3298, American Society for Microbiology, Washington, D.C. (1997). Peakman, T. C., et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific in vitro recombination," Nucl. Acids Res. AS <u>40</u> 20:495-500, Oxford University Press, Oxford, England (1992). Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of E. coli ΑT 40 strains with multiple DNA insertions in the chromosome," Gene 187:231-238, Elsevier/North-Holland, Netherlands (1997).

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	AS	<u>41</u>	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA 89</i> :2056-2060, National Academy of Sciences of the USA, Washington, D.C. (1992).					
	Podhajska, A. J., et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module," Gene 40:163-168, Elsevier/North-Holland, Netherlands (1985).						-p-att-N	
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APPLICATION NO.

	0942.5010002	09/732,914
FORM PTO-1449	APPLICANT	
FORMATION DISCLOSURE STATEMENT	Cheo et al.	

ATTY. DOCKET NO.

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	Reed, R.R. and N.D. Grindley, "Transposon-Mediated Site-Specific Recombinatio Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," Cell. 25:721-728, Cell Press, Cambridge, MA (1981).							combination in ce," Cell.	
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	ATTY. DOCKET NO. APPLICATION NO. 0942.5010002 09/732,914				
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	APPLICANT Cheo et al.	· ·			
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	AS	<u>46</u>	Sauer, B. Recombina (1993).	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of CreRecombinase," <i>Meth. Enzymol. 225</i> :890-900, Academic Press Inc., New York, NY (1993).						
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PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.5010002	APPLICATION NO. 09/732,914
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	AS	<u>47</u>	Sauer, B., "Inducible Gene Targeting in Mice Using the Cre/lox System," Methods 14:381-392, Academic Press, Inc., New York, NY (April 1998).					
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the Exchange of Expression Cassettes at Defined Chromosomal Loci," Biochem. 33:12746-12751, American Chemical Society, Washington D.C. (November 1994).

Segall, A. M. and Nash, H. A., "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites," EMBC J. 12:4567-4576, IRL Press Limited, Oxford, England (1993).

Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," Genes to Cells 1:453-463, Blackwell Science Ltd., Oxford, England (1996).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.5010002	APPLICATION NO. 09/732,914
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	AS	<u>49</u>	Using a	Sheffield, P. et al., "Overcoming Expression and Purification Problems of RhoGDI Using a Family of "Parallel" Expression Vectors," Protein Expr. Purific. 15:34-39, Academic Press, New York, NY (1999).							
	AT	49	Escheric	hia coli is	ination mediate sequence speci demy of Science	fic," Proc.	Natl. Acad. :	Sci. USA 8	38:10104-		
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FORM PTO-144

INFORMATION DISCLOSURE STATEMENT

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.5010002 09/732,914

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	AS	<u>51</u>	Cycle of B	Sternberg, N., et al., "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," <i>Cold Spring Harbor Symp. Quant. Biol. 45</i> :297-309, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (1981).							
	AT	Sternberg, N., et al., "Bacteriophage Pl cre Gene and its Regulatory Region," J. Mol. Biol. 187:197-212, Academic Press, Inc., New York, NY (1986).									
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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	та	<u>53</u>	bacterioph Proc. Nati	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," Proc. Natl. Acad. Sci. USA 95:5505-5510, National Academy of Sciences of the USA, Washington, D.C. (May 1998).							
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	AT	<u>54</u>	strateg	y for making	, large	'Combinatorial phage antibo University Pre	dy repertoi	res,"	Nucl	. Acids F	nation: a Res.
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INFORMATION DISCLOSURE STATEMENT

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INFORMATION DISCLOSURE STATEMENT

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	AS	<u>57</u>	Yang, W., Structure	and Mizuuchi, 5:1401-1406,	K., "Site-specific recombi Current Biology, London, Er	nation in	plane vie 97).	w,"
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		AT	<u>59</u>	Gage, P.J., et al., "A Cell-Free Recombination Sy Integration of Multigenic Shuttle Plasmids into H Virol. 66:5509-5515, American Society for Microbi	erpes Simplex Type 1 Genome," J.
//		AS	<u>59</u>	International Search Report for International App mailed October 26, 1998.	lication No. PCT/US98/22589,
14	1	AR	<u>59</u>	Zhu, et al., "Homology requirements for ligation recombinase," J. Biol. Chem. 270:11646-11653, Ame and Molecular Biology, Inc., Baltimore, MD (1995)	rican Society for Biochemistry

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JAMES KETTER

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	AS	<u>60</u>	Green, R 66:679-7	. and Noller 16, Annual Ro	, H.F., "Ribosomes an eviews, Inc., Palo Al	d Translation," Aito, CA (1997).	nn. Rev. E	Biochem.
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	AS	<u>62</u>	Wittman, 1	Wittman, H.G., "Components of Bacterial Ribosomes," Ann. Rev. Biochem. 51:155-183, Annual Reviews, Inc., Palo Alto, CA (1982).				
	ΑT	<u>62</u>	Wittmann, 52:35-65,	H.G., "Archit Annual Review	cecture of Prokaryotic Ribo ws, Inc., Palo Alto, CA (19	somes," An 83).	nn. Rev. B.	iochem.
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, v		AS	<u>63</u>	Angelasro, J.M., et al., "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," Proc. Natl. Acad. Sci. USA 97:10424-10429, National Academy of Sciences of the USA, Washington, D.C. (September 2000).
		AT	<u>63</u>	Burioni, R., et al., "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," Res. Virol. 148:161-164, Elsevier, Paris, France (1997).

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	AS	65	gene expr	on, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of expression in limited amounts of tissue," <i>Nucl. Acids Res. 27</i> :1300-1307, and University Press, Oxford, England (March 1999).				
	AT	<u>65</u>	cerevisia Biol. Che	e Dominant Le m. 273:849-85	Analysis of the Mechanisms thal cdc42 ^{c12} and Dominant 108, The American Society for one, MD (1998).	Negative c	dc42 ^{D118A} M	utations," J.
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	AS	<u>66</u>	coincide	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA 95</i> :1356-1357, National Academy of Sciences of the USA, Washington, D.C. (1998).					
	AT	66	of a cor	served acti	., "The integrase fami ve site domain," <i>Nucl</i> . xford, England (1997).	Acids Res. 25	recombinase 5:3605-3614,	s: evolution Oxford	
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APPLICANT Cheo et al.	

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	AS	<u>68</u>	Kholodenko, B.N., et al., "Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes," Biotechnol. Bioengineer. 59:239-247, John Wiley & Son, Chichester, NY (1998).					
	AT	<u>68</u>	Vivo Recom	mbination in Y	Rescue of Targeted Regions 'east," <i>Genome Res. 8</i> :666-67 Spring Harbor, NY (1998).	of Mammal: 72, Cold Sp	ian Chromo oring Harb	somes by in or Research
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	AS	<u>69</u>	Hydroxyal	Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3- Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Reviews 63</i> :21-53, American Society for Microbiology, Washington D.C. (March 1999).				
	АТ	<u>69</u>	Domain Pr Biol. Che	otein 1 by De: m. 274:31565-	Generation of a Dominant- letion of a Potent C-term 31570, The American Societ re, MD (1999).	inal Transac	tivation	Domain," J.
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	AS	<u>70</u>	triggered	Mette, M.F., et al., "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," $\it EMBO~J.~19:5194-5201$, European Molecular Biology Organization, Oxford, England (October 2000).				
	AT	<u>70</u>	Loci Conti 2.4.1," Ap	Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple oci Contributing to High-Level Tellurite Resistance in Rhodobacter sphaeroides 4.1," Appl. Environ. Microbiol. 63:4713-4720, American Society for icrobiology, Washington D.C. (1997).				
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		AS	71	Evolutiona	Patel, P.H., and Loeb, L.A., "DNA polymerase active site is highly mutable: Evolutionary consequences," <i>Proc. Natl. Acad. Sci. USA 97</i> :5095-5100, National Academy of Sciences of the USA, Washington, D.C. (May 2000).				
		AT	<u>71</u>	Perler, F.B., "InBase, the New England Biolabs Intein Database," <i>Nucl. Acids Res.</i> 27:346-347, Oxford University Press, Oxford, England (January 1999).					
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	AS	<u>72</u>	UAG Codons	hillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at AG Codons in Human Cells," <i>Mol. Cell. Biol. 15</i> :6593-6600, American Society for icrobiology, Baltimore, MD (1995).				
	АT	72	Powell, J., "Enhanced concatemer cloning-a modification to the SAGE (Serial Analysis of Gene Expression) technique," <i>Nucl. Acids Res. 26</i> :3445-3446, Oxford University Press, Oxford, England (1998).					
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	AS	73		Ross, W., and Landy, A., "Patterns of λ Int Recognition in the Regions of Strand Exchange," Cell 33:261-272, MIT Press, Cambridge, MA (1983).				
	АТ	<u>73</u>			Engineering of Antibodies, nc., Boca Raton, FL (1992)		v. Biotech	nnol.
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	AT	74	identifi	ed by large	l., "Systematic -scale cDNA sequ rganization, Oxf	encing," EMBO	Reports 1:	287-292,		
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£	AS	Spinella, D.G., et al., "Tandem arrayed ligation of expressed sequence tags (TALEST): a new method for generating global gene expression profiles," Nucl. Acids Res. 27(e22):i-viii, Oxford University Press, Oxford, England (1999).							
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	Voziyanov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," Nucl. Acids Res. 27:930-941, Oxford University Press, Oxford, England (1999).									
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M	//	AR	<u>78</u>	identified	l by large-sca	"Systematic subcellular loc le cDNA sequencing," <i>EMBO E</i> d (September 2000).	calization Reports 1:	of novel 287-292, I	proteins RL Press	
		AS	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/177,387, filed October 23, 1998.						
	_	АТ	<u>78</u>	Pending U. 1999.	S. Non-Provis	ional Patent Application No			January 20,	
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.5010002 APPLICATION NO. 09/732,914 APPLICANT Cheo et al. GROUP FILING DATE

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	AS	79	Pending (1999.	J.S. Non-Pro	ovisio	nal Patent Appl	ication No	o. 09/296,	281, file	d April 22,
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ATTY. DOCKET NO. 0942.5010002 APPLICATION NO. 09/732,914

APPLICANT INFORMATION DISCLOSURE STATEMENT

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MK	AR 80 Pending U.S. Non-Provisional Patent Application No. 09/438,358, filed November 12, 1999.								
	AS	<u>80</u>	Pending U	J.S. Non-Prov	risional Patent Applic	cation No. 09/498,	074, file	d February 4,	
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ATTY. DOCKET NO. 0942.5010002

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MA	AR	Pending U.S. Non-Provisional Patent Application No. 09/518,188, filed March 2, 2000.								
AS 81 Pending U.S. Non-Provisional Patent Application No. 09/648,790, filed A 2000.								d August 28,		
	АТ	81	Pending U 2000.	.S. Non-Provi	sional Patent Application N	o. 09/695,	.065, file	d October 25,		
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